

ABSTRACT OF THE DISCLOSURE

A lipid assay method, kit, and apparatus involving exposing a lipid detector protein containing a lipid recognition motif with a binding specificity for a product lipid of a lipid phosphatase, to a solution containing a substrate lipid of the lipid phosphatase; and

5 determining whether the product lipid is present. The assay is preferably a competitive assay wherein the product lipid has a stronger affinity to the lipid detector protein than the substrate lipid. The lipid recognition motif is preferably a pleckstrin homology (PH) domain.

10

15

20